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Claim 18 (currently amended) A system for picking up objects over a delimited surface, which consists of an automatic mobile machine provided with an onboard computer, at least one motor associated with a power source, a mechanical device for gripping and storing golf balls, dead leaves and paper sheets ~~objects~~ in a container supported by the mobile machine, a device for emptying said container, a wire extending at the periphery of said surface and being detectable by a detector carried by the machine ~~device for limiting the pick-up surface~~ and at least one station in which the picked up objects may be unloaded, wherein the automatic machine proceeds over the pick up surface at least partly in a random manner.

Claim 19 (previously presented) A system as claimed in claim 18, wherein the power source is a rechargeable battery and wherein there is provided at least one station for recharging rechargeable batteries.

Claim 20 (previously presented) A system as claimed in claim 19, wherein the battery recharging and the ball unloading stations are coupled.

~~Claims~~ 21-22 (canceled).

Claim 23 (currently amended) A system as claimed in claim 19 ~~claim 22~~, wherein the automatic mobile machine reaches the at least one station by following the surface limiting wire, the at least one station being situated along said wire or on an extension thereof.

Claim 24 (currently amended) A system as claimed in claim 18 ~~claim 19~~, wherein the recharging station consists of at least one fixed rail which is situated along said wire and is adapted to come in contact with one of two side brushes carried by the automatic mobile machine.

Claim 25 (previously amended) A system as claimed in claim 19, characterized in that the one or several recharging stations are situated in the proximity of players.

Claim 26 (previously amended) A system as claimed in claim 18, wherein the at least one station comprises a ball recovery bowl, equipped with a ball lifting system, and connected to a duct which is adapted to convey balls at least partly by gravity.

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~~Claim 27~~ (canceled).

Claim 28 (previously presented) A system as claimed in claim 18, wherein the mechanical gripping system consists of a rotary brush having spikes, arranged radially around the shaft of said brush, said spikes being adapted to pierce the objects situated on said surface, and said objects being dragged along into a circular movement, released from the spikes by fixed elements which are engaged between the spikes, and deviate the objects toward a storage device.

~~Claims 29-30~~ (canceled).

Claim 31 (currently amended) A system as claimed in claim 18 wherein there is also included on the automatic mobile machine an automatic system for mowing a grass surface.

Claim 32 (previously presented) An automatic pick up machine adapted to the system as claimed in claim 18.

~~Claim 33~~ (canceled).

Claim 34 (previously presented) A method of picking up objects over a predetermined surface, by using a system of claim 18.

Claim 35 (previously presented) A method of picking up objects over a predetermined surface, by using a machine as claimed in claim 18.